

GenCore version 4.5
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OM nucleic - nucleic search, using sw model.

Run on: December 6, 2001, 08:36:08 ; Search time 76.13 Seconds
(without alignments)
2968.935 Million cell updates

Title: US-09-578-458-1
 Perfect score: 998
 Sequence: 1 ggttcaggaaactcaggatc.....gtgtattatgtataaacctcttg 998

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued_Patents_NA:*

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1: /cgn2_5/ptodata/2/ina/5A_COMB.seq: *
2: /cgn2_5/ptodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq: *
5: /cgn2_5/ptodata/2/ina/PCTUS_COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfill1.seq: *

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description	
1	110.8	11.1	1282	4	US-09-417-455-4	Sequence 4, Appli
2	110.8	11.1	2648	4	US-09-417-455-6	Sequence 6, Appli
3	103.4	10.4	1710	3	US-09-000-630C-1	Sequence 1, Appli
4	103.4	10.4	1710	3	US-08-862-730C-1	Sequence 1, Appli
5	95	9.5	462	3	US-08-798-414-1	Sequence 1, Appli
6	95	9.5	462	3	US-09-131-247-1	Sequence 1, Appli
7	95	9.5	474	1	US-08-476-860-9	Sequence 9, Appli
8	95	9.5	474	2	US-08-910-733-9	Sequence 9, Appli
9	95	9.5	474	1	US-08-910-884-9	Sequence 9, Appli
10	95	9.5	514	2	US-08-284-784-41	Sequence 41, Appli
11	95	9.5	514	2	US-08-854-811-41	Sequence 41, Appli
12	95	9.5	531	2	US-08-809-185-1	Sequence 1, Appli
13	95	9.5	534	3	US-09-000-630C-24	Sequence 24, Appli
14	95	9.5	534	3	US-08-862-730C-24	Sequence 24, Appli
15	95	9.5	543	1	US-08-422-655-1	Sequence 1, Appli
16	95	9.5	579	2	US-08-476-860-12	Sequence 12, Appli
17	95	9.5	579	2	US-08-910-733-12	Sequence 12, Appli
18	95	9.5	579	2	US-08-910-884-12	Sequence 12, Appli
19	95	9.5	602	1	US-08-459-811-1	Sequence 1, Appli
20	95	9.5	602	1	US-08-459-092-1	Sequence 1, Appli
21	95	9.5	602	2	US-08-459-814-1	Sequence 1, Appli
22	95	9.5	602	2	US-08-425-232-1	Sequence 1, Appli
23	95	9.5	602	2	US-08-471-227-2	Sequence 2, Appli
24	95	9.5	603	1	US-08-484-598-1	Sequence 1, Appli
25	95	9.5	603	2	US-08-479-140-1	Sequence 1, Appli
26	95	9.5	603	3	US-08-477-143-1	Sequence 1, Appli
27	95	9.5	717	1	US-08-284-784-40	Sequence 40, Appli

28	95	9.5	717	2	US-08-854-811-40	Sequence 40, Appl
29	94	9.4	537	3	US-09-000-630C-27	Sequence 27, Appl
30	94	9.4	537	3	US-08-862-730C-27	Sequence 27, Appl
31	93.8	9.4	246240	2	US-08-724-334A-20	Sequence 20, Appl
32	93.8	9.4	246240	2	US-08-724-334A-21	Sequence 21, Appl
33	93.8	9.4	246240	2	US-08-724-334A-22	Sequence 22, Appl
34	92.6	9.3	176373	3	US-09-128-155-17	Sequence 17, Appl
35	92.4	9.3	537	3	US-09-000-630C-25	Sequence 25, Appl
36	92.4	9.3	537	3	US-08-862-730C-25	Sequence 25, Appl
37	88.4	8.9	534	3	US-09-000-630C-26	Sequence 26, Appl
38	88.4	8.9	534	3	US-08-862-730C-26	Sequence 26, Appl
39	84.6	8.5	475	4	US-09-131-247-3	Sequence 3, Appl
40	84.6	8.5	1167	4	US-09-131-247-15	Sequence 15, Appl
41	84.6	8.5	1170	4	US-09-131-247-13	Sequence 13, Appl
42	71.2	7.1	357	4	US-09-417-455-1	Sequence 1, Appl
43	71.2	7.1	385	4	US-09-417-455-2	Sequence 2, Appl
44	68	6.8	5751	4	US-09-417-455-7	Sequence 7, Appl
45	68	6.8	7605	4	US-09-417-455-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-09-417-455-4
: Sequence 4, Application US/09417455
: Patent No. 6294655
: GENERAL INFORMATION:
: APPLICANT: Ford, John
: APPLICANT: Pace, Ann
: TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36328
: CURRENT APPLICATION NUMBER: US/09/417,455
: CURRENT FILING DATE: 1999-10-13
: PRIOR APPLICATION NUMBER: US 09/348,942
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: PCT/US99/04291
: PRIOR FILING DATE: 1999-04-05
: PRIOR APPLICATION NUMBER: US 09/287,210
: PRIOR FILING DATE: 1999-04-05
: PRIOR APPLICATION NUMBER: US 09/251,370
: PRIOR FILING DATE: 1999-02-17
: PRIOR APPLICATION NUMBER: US 09/229,591
: PRIOR FILING DATE: 1999-01-13
: PRIOR APPLICATION NUMBER: US 09/127,698
: PRIOR FILING DATE: 1998-07-31
: PRIOR APPLICATION NUMBER: US 09/099,818
: PRIOR FILING DATE: 1998-06-19
: PRIOR APPLICATION NUMBER: US 09/082,364
: PRIOR FILING DATE: 1998-05-20
: PRIOR APPLICATION NUMBER: US 09/079,909
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: US 09/055,010
: PRIOR FILING DATE: 1998-04-03
: NUMBER OF SEQ ID NOS: 30
: SOFTWARE: FastSEQ for Windows Version 3.0
: SEQ ID NO 4
: LENGTH: 1282
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (73)...(537)
US-09-417-455-4

Query Match	11.1%	Score 110.8;	DB 4;	Length 1282;
Best Local Similarity	58.6%;	Pred. No. 1.5e-24;		
Matches 231; Conservative	0;	Mismatches 157;	Indels 6;	Gaps 2;
QY	71	ggcagatctactaatataatgacagaccgaaggctctatcacaaagatggcca	130	
Dd	87	ggcgctgtgcctccgaagaagacctcgcatgaaggctttattctgcataataacca	146	


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; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: open reading frame
; LOCATION: 60 to 587
; OTHER INFORMATION:
US-09-000-630C-1

Query Match      10.4%; Score 103.4; DB 3; Length 1710;
Best Local Similarity 64.3%; Pred. No. 3.5e-22;
Matches 155; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 220 ccatttctccagctgagagtggaacattgaggaactgtacaaaggtggtgaagagg 279
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Db 298 CCGTGTCTTGGGATCCATGGGGGAAGCTGTGCCCTGTGTCAAGTCTGGAGATG 357

QY 280 ggccttcctacagctgagagtggaacattgaggaactgtacaaaggtggtgaagagg 339
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Db 358 AGACACAGGCTCCAGCTGGAGGCGGTTAACATCACTGACCTGAGTAAGAACAGGATCAAG 417

QY 340 ccacacgcttcacctcttcctcagagcagctcaggtccgcttcaggtcaggtcgtg 399
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 418 ACAAGCGCTTTACCTTCATCTCTCAGACAGTGGCCCGACCACTTTGAGTCTGCTG 477

QY 400 cctggcctggctgttctctgtgtgcccgcagagccccagcagcagctcacca 459
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Db 478 CCGTCCCTGGCTGCTCTCTGACACAGCACTGGAGGCCGACCGGCTGTCAAGCTCACCA 537

QY 460 a 460
Db 538 A 538

RESULT 4
US-08-862-730C-1
; Sequence 1, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: Wordperfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1710 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHEetical: N
; ANTI-SENSE: N
; ORIGINAL SOURCE:
; ORGANISM: Canis familiaris
; CELL TYPE: canine peripheral blood macrophage
; CELL LINE: primary monocytes
; IMMEDIATE SOURCE:
; LIBRARY: lambda gt11 cDNA
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; CLONE: Canine IL-lra
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1 to 1710
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: open reading frame
; LOCATION: 60 to 587
; OTHER INFORMATION:
US-08-862-730C-1

Query Match      10.4%; Score 103.4; DB 3; Length 1710;
Best Local Similarity 64.3%; Pred. No. 3.5e-22;
Matches 155; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 220 ccatttctccagctgagagtggaacattgaggaactgtggaacagagagg 279
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 298 CCGTGTCTTGGGATCCATGGGGGAAGCTGTGCCCTGTGTCAAGTCTGGAGATG 357

QY 280 ggccttcctacagctgagagtggaacattgaggaactgtacaaaggtggtgaagagg 339
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Db 358 AGACACAGGCTCCAGCTGGAGGCGGTTAACATCACTGACCTGAGTAAGAACAGGATCAAG 417

QY 340 ccacacgcttcacctcttcctcagagcagctcaggtccgcttcaggtcaggtcgtg 399
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 418 ACAAGCGCTTTACCTTCATCTCTCAGACAGTGGCCCGACCACTTTGAGTCTGCTG 477

QY 400 cctggcctggctgttctctgtgtgcccgcagagccccagcagcagctcacca 459
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 478 CCGTCCCTGGCTGCTCTCTGACACAGCACTGGAGGCCGACCGGCTGTCAAGCTCACCA 537

QY 460 a 460
Db 538 A 538

RESULT 5
US-08-798-414-1
; Sequence 1, Application US/08798414
; Patent No. 6096728
; GENERAL INFORMATION:
; APPLICANT: COLLINS, David S.
; APPLICANT: BEVILACQUA, Michael P.
; TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING
; TITLE OF INVENTION: INFLAMMATORY DISEASES
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: AMGEN INC.
; STREET: 1840 De Havilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: US
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/798,414
; FILING DATE: 07-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,419
; FILING DATE: 09-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/032,789
; FILING DATE: 06-DEC-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US (Atty Dkt# A-365B-P)
; FILING DATE: 23-JAN-1997
; ATTORNEY/AGENT INFORMATION:
```

NAME: ZINDRICK, Thomas D.
REGISTRATION NUMBER: 32,185
REFERENCE/DOCKET NUMBER: A-365C
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 462 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..462
NAME/KEY: misc_feature
LOCATION: 1..3
OTHER INFORMATION: /note="Initial methionine is optional."
US-08-798-414-1

Query Match
Best Local Similarity 9.5%; Score 95; DB 3; Length 462;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 223 ttttcttgaggatccagggagggagcgcctgcctgcatgtgtggagacagaagagggc 282
Db 170 tggtttgggaatccatggaggaagatgtcctgtcctgtgtcaagtctggtgatgaga 229
QY 283 cttccctacagctggaggtgtgaacattgaggaactgtacaaaggtgtgaagagcca 342
Db 230 ccagactccagctggagggcagctaacatcaactgacctgagcgaacagagcaggaca 289
QY 343 cagccttcacctcttccagagcagctcagctccgccttcaggcttgaggctgctgct 402
Db 290 agcgttcgccttcacctcagcagcagctgagcagcagcagcagcagcagcagcagc 349
QY 403 ggcctggctgttctctgtgtgcccggcagagccccagcagccccagcagctcaccagg 462
Db 350 gccccggtgtgtctctgcacagcagtggaagctgaccagccgtcagcctcaccacata 409
QY 463 agagtga 469
Db 410 tgcctga 416

RESULT 6
US-09-131-247-1
Sequence 1, Application US/09131247
Patent No. 6294170
GENERAL INFORMATION:
APPLICANT: Boone, Thomas C.
APPLICANT: Hershenon, Susan
APPLICANT: Bevilacqua, Michael P.
APPLICANT: Collins, David S.
TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING INFLAMMATORY
DISEASES
FILE REFERENCE: A-365F
CURRENT APPLICATION NUMBER: US/09/131,247
CURRENT FILING DATE: 1998-08-07
EARLIER APPLICATION NUMBER: 60/055,185
EARLIER FILING DATE: 1997-08-08
EARLIER APPLICATION NUMBER: PCT/US 97/02131
EARLIER FILING DATE: 1997-02-10
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 462
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(462)

OTHER INFORMATION: Initial methionine is optional
US-09-131-247-1

Query Match
Best Local Similarity 9.5%; Score 95; DB 4; Length 462;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 223 ttttcttgaggatccagggagggagcgcctgcctgcatgtgtggagacagaagagggc 282
Db 170 tggtttgggaatccatggaggaagatgtcctgtcctgtgtcaagtctggtgatgaga 229
QY 283 cttccctacagctggaggtgtgaacattgaggaactgtacaaaggtgtgaagagcca 342
Db 230 ccagactccagctggagggcagctaacatcaactgacctgagcgaacagagcaggaca 289
QY 343 cagccttcacctcttccagagcagctcagctccgccttcaggcttgaggctgctgct 402
Db 290 agcgttcgccttcacctcagcagcagctgagcagcagcagcagcagcagcagcagc 349
QY 403 ggcctggctgttctctgtgtgcccggcagagccccagcagccccagcagctcaccagg 462
Db 350 gccccggtgtgtctctgcacagcagtggaagctgaccagccgtcagcctcaccacata 409
QY 463 agagtga 469
Db 410 tgcctga 416

RESULT 7
US-08-476-860-9
Sequence 9, Application US/08476860
Patent No. 5739282
GENERAL INFORMATION:
APPLICANT: COLOTTA, Francesco
APPLICANT: MUZIO, Maria
APPLICANT: MANTOVANI, Alberto
TITLE OF INVENTION: IL-1 ANTAGONIST
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,860
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT MI 94 A 002097
FILING DATE: 13-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: COLOTTA-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,884
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION NUMBER: US 08/476,860
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: COLOTTA-1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-910-884-9

Query Match 9.5%; Score 95; DB 2; Length 474;
Best Local Similarity 61.5%; Pred. No. 7e-20;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 223 tttctcggggatccaggaggagccgcctgcctggcattgtgtggagacagaagagggc 282
Db 179 TGTTCTTGGGAATCCATGGAGGAAGATGCTGCTGCTCAAGTCTGGTGATGAGA 238
QY 283 ctccctacagctggaggtgtgaacattgaggaactgtacaagggtgtgaagagggcca 342
Db 239 CCAGACTCCAGCTGGAGGAGTTAATCATCTACCTGACGCGAGAGCAAGAGGACA 298
QY 343 cagccttcacctcttccagagcagctcaggtccgccttcaggcttgaggctgctgct 402
Db 299 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCCCCACCACAGTTTGTGACTGTGCCGCT 358
QY 403 ggcctggctggttcctgtgtgcccggcagagccccagcagccagctacagctcaccagg 462
Db 359 GCCCGGTTGGTTCTCTGACAGCGATGGAAGTGTACCCAGCCGCTCAGCCTACCAATA 418
QY 463 agagtga 469
Db 419 TGCCTGA 425

RESULT 10
US-08-284-784-41
; Sequence 41, Application US/08284784
; Patent No. 5629172
; GENERAL INFORMATION:
; APPLICANT: MASCARENHAS, DESMOND
; APPLICANT: ZHANG, YANG
; APPLICANT: OLSON, PAMELA S.
; APPLICANT: OLSEN, DAVID R.
; APPLICANT: CARRILLO, PEDRO A.
; TITLE OF INVENTION: EXPRESSION OF FUSION POLYPEPTIDES

; TITLE OF INVENTION: TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER SEQUENCES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/284,784
; FILING DATE: 02-AUG-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: PARK, FREDDIE K.
; REGISTRATION NUMBER: 35,636
; REFERENCE/DOCKET NUMBER: 22095-20275.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 514 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-284-784-41

Query Match 9.5%; Score 95; DB 1; Length 514;
Best Local Similarity 56.9%; Pred. No. 7.3e-20;
Matches 195; Conservative 0; Mismatches 145; Indels 3; Gaps 1;
QY 223 tttctcggggatccaggaggagccgcctgcctggcattgtgtggagacagaagagggc 282
Db 170 TGTTCTTGGGAATCCATGGAGGAAGATGCTGCTGCTCAAGTCTGGTGATGAGA 229
QY 283 ctccctacagctggaggtgtgaacattgaggaactgtacaagggtgtgaagagggcca 342
Db 230 CCAGACTCCAGCTGGAGGACATTAACTACCTGACCTGAGCGAGACAGAGGAGACA 289
QY 343 cagccttcacctcttccagagcagctcaggtccgccttcaggcttgaggctgctgct 402
Db 290 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCCCCACCACAGTTTGTGACTGTGCCGCT 349
QY 403 ggcctggctggttcctgtgtgcccggcagagccccagcagccagctacagctcaccagg 462
Db 350 GCCCGGTTGGTTCTCTGACAGCGATGGAAGTGTACCCAGCCGCTCAGCCTACCAATA 409
QY 463 agagtgaagcctcagcc---cgtaccagttttactttgaaacagagctgtgtagggagaca 519
Db 410 TGCCTGACGAGGCGTCAATGCTACCAAAATTTCTACTTCCAGGAGGACAGTAAGTACTTG 469
QY 520 ggaactgcgttttagccttgcctcccccacacacagctcatcc 562
Db 470 CTAATAATGTACCTTAGGCTCCCGGGCTCGAGTAAGCTTATGC 512

RESULT 11
US-08-854-811-41
; Sequence 41, Application US/08854811
; Patent No. 5914254
; GENERAL INFORMATION:
; APPLICANT: MASCARENHAS, DESMOND
; APPLICANT: ZHANG, YANG
; APPLICANT: OLSEN, PAMELA S.
; APPLICANT: OLSEN, DAVID R.

APPLICANT: Cohen, Pedro A.
 TITLE OF INVENTION: EXPRESSION OF FUSION POLYPEPTIDES
 TITLE OF INVENTION: TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER
 TITLE OF INVENTION: SEQUENCES
 NUMBER OF SEQUENCES: 49
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 755 PAGE MILL ROAD
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows
 SOFTWARE: FastSO for Windows Version 2.0b
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/854,811
 FILING DATE: 12-MAY-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/284,784
 FILING DATE: 02-AUG-1994
 APPLICATION NUMBER: 08/100,744
 FILING DATE: 02-AUG-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Buffinger, Nicholas S
 REGISTRATION NUMBER: 39,124
 REFERENCE/DOCKET NUMBER: 22095-20275.21
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-813-5600
 TELEFAX: 650-494-0792
 TELEX: 706141
 INFORMATION FOR SEQ ID NO: 41:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 514 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-854-811-41

```

Query Match          9.5%; Score 95; DB 2; Length 514;
Best Local Similarity 56.9%; Pred. No. 7.3e-20;
Matches 195; Conservative 0; Mismatches 145; Indels 3; Gaps 1;

QY 223 ttttctgaggatccaggaggagcgcgctgctggtggaacacaaaggggc 282
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 170 TGTTCCTTGGGAATCCATGGAGGGAAGATGTGCCTGTCTGTGTCAAGTCTGGTGATGAGA 229
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 283 cttccctacagctggagatgtgaacattgaggaaactgtacaaaggctggaagagccca 342
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 230 CCAGACTCCAGCTGGAGGCGCATTAACATCACTGACCTGAGCGAGAACAGACGGACA 289
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 343 cacgcttcaccttctccagagcagctcagcgtcgcgcttcagcgttgagcgtcgct 402
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 290 AGCGCTTCGGCTTCATCGCTCAGACAGTGCGCCACACACCGAGTTTGTAGTCTGCCGCT 349
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 403 ggcctggctggttctgctgtggtggccgcgcagccccagccagtcagctcaccaagg 462
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 350 GCCCCGGTGTGTTCTCTGCACACGGATGGAAGCTGACCAGCCCGCTCACCAATA 409
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 463 agagtggagccctcagcc---cgtaccagttttactttgaaacagagctggtaggagaca 519
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 410 TGCCCTACGAGAGGGCGTCATGGTCAACAAATCTACTTCCAGGAGCAGGTAAGTACTTG 469
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 520 ggaacctgcgttttagcctgtgcccccaaaccaagctcatcc 562
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 470 CTAAATGTACCCCTAGGCCCTCCCGGGCTCGAGTAAGCTTATGC 512
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RESULT 12

```

RESULT 12

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US-08-809-185-1
; Sequence 1, Application US/08809185
; Patent No. 5922573
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: IL-1 receptor antagonists with increased
; TITLE OF INVENTION: inhibitory activity
; NUMBER OF SEQUENCES: 8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/809,185
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94/A 001916
; FILING DATE: 21-SEP-1994
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 531 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..531
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 1..75
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 76..531
; FEATURE:
; NAME/KEY: mutation
; LOCATION: replace(346..348, "cgc")
; OTHER INFORMATION: /note= "CGC is the codon for the preferred
; OTHER INFORMATION: Asn -> Arg amino acid substitution at this
; OTHER INFORMATION: position."
; FEATURE:
; NAME/KEY: mutation
; LOCATION: replace(400..402, "gcc")
; OTHER INFORMATION: /note= "GCC is the codon for the preferred
; OTHER INFORMATION: Thr -> Ala amino acid substitution at this
; OTHER INFORMATION: position."
US-08-809-185-1

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Query Match	9.5%	Score 95;	DB 2;	Length 531;
Best Local Similarity	61.5%;	Pred. No. 7.5e-20;		
Matches 152;	Conservative 0;	Mismatches 95;	Indels 0;	Gaps 0;
Qy 223	ttttcctgggggatccaggagggagcgctgctctggcatgtgtgagacagacaaaggggc	282		
Db 242	TGTTCTTGGGAATCCATGTGAGGGGAAGATGTGSCCTGTCTGTCAAGTCTGGTGCATGAGA	301		
Qy 283	cttccctacagctggagagatgtgaacattgaggaactgtacaaagtggtgaaagggcca	342		
Db 302	CCAGACTCCAGCTGGAGCAGCTTAACTACACTGACCTGAGCGAGAACAGAACGAGACA	361		
Qy 343	caagcttcaactcttcacagagcagctcagggctccgaccttgaagcttggagctgtgcct	402		
Db 362	AGCGCTTTCGGCTTCATCCGCTTCAGACAGTGGGCCCCACACACAGTTTGTGAGTCTGCCGCT	421		
Qy 403	ggcctggcgtgattcctgtgtgtgcccgcgagagccccagcagccagtcacagtcaccacagg	462		

ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422,655
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/100,646
FILING DATE: 30-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UM 9693
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..534
US-08-422-655-1

Query Match 9.5%; Score 95; DB 1; Length 543;
Best Local Similarity 61.5%; Pred. No. 7.6e-20;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

Qy	223	tttctctggggatccaggaggagccgctgcctggcatgtgtgagacagaagaggggc	282
Db	242	TGTTCTTGGGAATCCATGGAGGAAGATGTGCTGTCTGTCAAGTCTGGTGATGAGA	301
Qy	283	cttccctacagctggaggatgtgaacattgaggaaactgtacaaaaggtgtgaagagggcca	342
Db	302	CCAGACTCCAGCTGGAGGACGTTAAACATCAGTCACTGAGCGGAGAACAGAAAGCAGGACA	361
Qy	343	cacgcttcaccttcttcagagcagctcaggtccgcttcaggtcttaaggctgtgcct	402
Db	362	AGCGTTCCGCTTCATCCGCTCAGACAGTGGCCCCCACCACAGTTTGTAGTCTGCCGCT	421
Qy	403	ggcctggctgttcctgtgtgcccggcagagcccccagcagccagtcacagtcaccaagg	462
Db	422	GCCCCGTTGTTCTCTCTGCACAGGATGGAGCTGACCAGCCCCGTCACGCCTCACCAATA	481
Qy	463	agagtga	469
Db	482	TGCCTGA	488

Search completed: December 6, 2001, 08:37:45
Job time: 97 sec

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OM protein - protein search, using sw model

Run on: December 6, 2001, 08:42:03 ; Search time 19.76 Seconds
(without alignments)
173.102 Million cell updates/sec

Title: US-09-578-458-2
Perfect score: 818
Sequence: 1 MCSLPARYIYIKYADQKAL.....OLTKSEPSARTKPYFQSW 152

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA.*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	283	34.6	155	4	US-09-417-455-5
2	260.5	31.8	178	3	US-09-000-630C-23
3	260.5	31.8	178	3	US-08-862-730C-23
4	260.5	31.8	178	4	US-09-417-455-10
5	257.5	31.5	178	4	US-09-417-455-9
6	255.5	31.2	178	3	US-09-000-630C-21
7	255.5	31.2	178	3	US-08-862-730C-21
8	248	30.3	151	3	US-09-000-630C-3
9	248	30.3	151	3	US-08-862-730C-3
10	248	30.3	154	3	US-09-000-630C-5
11	248	30.3	154	3	US-08-862-730C-5
12	248	30.3	176	3	US-09-000-630C-4
13	248	30.3	176	3	US-08-862-730C-4
14	241	29.5	177	3	US-09-000-630C-22
15	241	29.5	177	3	US-08-862-730C-22
16	241	29.5	177	4	US-09-417-455-11
17	239.5	29.3	153	3	US-08-677-778B-1
18	238.5	29.2	153	3	US-08-798-414-2
19	238.5	29.2	153	4	US-09-131-247-2
20	238.5	29.2	153	4	US-09-131-247-4
21	238.5	29.2	156	1	US-08-476-860-10
22	238.5	29.2	156	2	US-08-910-733-10
23	238.5	29.2	156	2	US-08-910-884-10
24	238.5	29.2	159	1	US-08-459-811-2
25	238.5	29.2	159	2	US-08-459-811-2
26	238.5	29.2	159	2	US-08-459-092-2
27	238.5	29.2	159	2	US-08-459-814-2

28 238.5 29.2 159 2 US-08-425-232-2 Sequence 2, Appli
29 238.5 29.2 159 2 US-08-471-227-3 Sequence 3, Appli
30 238.5 29.2 159 2 US-08-479-140-2 Sequence 2, Appli
31 238.5 29.2 159 3 US-08-477-143-2 Sequence 2, Appli
32 238.5 29.2 159 4 US-09-417-455-14 Sequence 14, Appli
33 238.5 29.2 177 1 US-08-422-655-2 Sequence 2, Appli
34 238.5 29.2 177 2 US-08-809-185-2 Sequence 2, Appli
35 238.5 29.2 177 3 US-09-000-630C-20 Sequence 20, Appli
36 238.5 29.2 177 3 US-08-862-730C-20 Sequence 20, Appli
37 238.5 29.2 177 3 US-09-128-155-14 Sequence 14, Appli
38 238.5 29.2 177 4 US-09-417-455-30 Sequence 30, Appli
39 238.5 29.2 180 1 US-08-476-860-13 Sequence 13, Appli
40 238.5 29.2 180 2 US-08-910-733-13 Sequence 13, Appli
41 238.5 29.2 180 2 US-08-910-884-13 Sequence 13, Appli
42 238.5 29.2 388 4 US-09-131-247-16 Sequence 16, Appli
43 238.5 29.2 389 4 US-09-131-247-14 Sequence 14, Appli
44 177.5 21.7 169 2 US-08-790-032-2 Sequence 2, Appli
45 177.5 21.7 169 3 US-09-069-619-2 Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-417-455-5
; Sequence 5, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-417-455-5

Query Match 34.6%; Score 283; DB 4; Length 155;
Best Local Similarity 45.7%; Pred. No. 1.8e-26;
Matches 63; Conservative 20; Mismatches 49; Indels 6; Gaps 3;

QY 18 KALYTRDQLLVGDPVADNCC-AEKICTLPNRLDRKVPFLGIQGSRLCLAVETEEG 76

Db 17 KVLVYLNQLLAGLHAGKVIKGEISVVPNRWLDASLSPVILGVQGSQCLSCGVQGE- 75

QY 77 PSLOLEDVNTIEELYKGGEEATRTFFQSSCSAFRLFAAAWPGWFLCGPAEPQPVOLTK 136

Db 76 PTLTLPVNMELYLGAKESSFTFYRRDMLTSSPESAAYPGWFLCTVPADQPVRLTQ 135
QY 137 ESE-----PSARTKFFYEQ 150
Db 136 LPENGWNAPIITDFYEQ 153

RESULT 2

US-09-000-630C-23
; Sequence 23, Application US/09000630C
; Patent No. 6018029
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; OPERATING SYSTEM: IBM compatible
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; FILING DATE: 08/862,730
; PRIOR APPLICATION NUMBER: US/09/000,630C

Query Match 31.8%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 1.1e-23;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;
QY 16 DKALYTRDGLLVGDPVADNC-CAEKICTLPNRGLDRTKVPFLGIGGSRCLACVETE 74
Db 45 NOKTFYLRNNQLIAGYLOGPNTKLEEKIDMVP---IDFRNV--FLGIHGGKLCCLSCVKSG 99
QY 75 EGSLOLEDVNIIELYKGGEATRTFFQSSGSAPFLEAAAPGWFLCGPAEPQPVOL 134
Db 100 DDTKLQLEEVNITDLNKNKEEDKRTFFIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 135 TK-ESEPSARTKFFYEQ 150
Db 160 TNPKEPCTVTKFFQE 176
US-09-000-630C-23

Query Match 31.8%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 1.1e-23;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;
QY 16 DKALYTRDGLLVGDPVADNC-CAEKICTLPNRGLDRTKVPFLGIGGSRCLACVETE 74
Db 45 NOKTFYLRNNQLIAGYLOGPNTKLEEKIDMVP---IDFRNV--FLGIHGGKLCCLSCVKSG 99
QY 75 EGSLOLEDVNIIELYKGGEATRTFFQSSGSAPFLEAAAPGWFLCGPAEPQPVOL 134
Db 100 DDTKLQLEEVNITDLNKNKEEDKRTFFIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 135 TK-ESEPSARTKFFYEQ 150
Db 160 TNPKEPCTVTKFFQE 176

RESULT 3

US-08-862-730C-23
; Sequence 23, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; OPERATING SYSTEM: IBM compatible
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rat IL-lra sequence
US-08-862-730C-23

Query Match 31.8%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 1.1e-23;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;
QY 16 DKALYTRDGLLVGDPVADNC-CAEKICTLPNRGLDRTKVPFLGIGGSRCLACVETE 74
Db 45 NOKTFYLRNNQLIAGYLOGPNTKLEEKIDMVP---IDFRNV--FLGIHGGKLCCLSCVKSG 99
QY 75 EGSLOLEDVNIIELYKGGEATRTFFQSSGSAPFLEAAAPGWFLCGPAEPQPVOL 134
Db 100 DDTKLQLEEVNITDLNKNKEEDKRTFFIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 135 TK-ESEPSARTKFFYEQ 150
Db 160 TNPKEPCTVTKFFQE 176

RESULT 4

US-09-417-455-10
; Sequence 10, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30


```
;
;
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: mouse IL-1ra sequence
;
; US-08-862-730C-21

Query Match 31.2%; Score 255.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 4.4e-23;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;

QY 16 DQALYTRDGLVGDVADNCCAE-KICTLPNRLDRTKVPFLIGGSRCLACVETE 74
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 45 NQKTFYLRNQLIAGYLGQPNKLEKIDMVP---IDLHSV--FLGIHGGKLCISCAKSG 99

QY 75 EGSQLEDVNIIELYKGGEATRTFFQSSSGSAFRLAAAWGFLCGPAEPQVPQL 134
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 100 DDILQLEEVNITDLSKNKEDKRTFTIRSEKGTTSFESAACPGWFLCTTLEADRPVSL 159

QY 135 TK-ESEPSARTKFFFEQ 150
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 160 TNTPEPLIVTKFFQE 176
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RESULT 8
US-09-000-630C-3
; Sequence 3, Application US/09000630C
; Patent No. 6018029
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,630C
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/862,730
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
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```
;
;
; LENGTH: 151 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: mature peptide
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; US-09-000-630C-3

Query Match 30.3%; Score 248; DB 3; Length 151;
Best Local Similarity 39.7%; Pred. No. 2.8e-22;
Matches 60; Conservative 20; Mismatches 61; Indels 10; Gaps 4;

QY 2 CSLPMARYIIKYADQKALYTRDGLVGDVADNCCAEKICTLPNRLDRTKVPFLIG 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 8 CRMQAFRIWDV---NQKTFYLRNQLVAGYLQGSNTKLEEKLDVVVPE-----PHAVFLG 59

QY 61 IQGGSRLACVETEGPSLQLEDVNIIELYKGGEATRTFFQSSSGSAFRLAAAWPGW 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 60 IHGKGLCLACVKGDETRQLQLEAVNITDLSKNKQDKRFTFLSDSGPTTSFSAACPGW 119

QY 121 FLCGPAEPQVPQVLTKESEPSAR-TKFFFEQ 150
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 120 FLCTALEADRPVSLNRPPEAMMTKFFYFQK 150
```

```
RESULT 9
US-08-862-730C-3
; Sequence 3, Application US/08862730C
; Patent No. 6053600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862.730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 151 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: mature peptide
;
; US-08-862-730C-3
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Query Match 30.3%; Score 248; DB 3; Length 151;
Best Local Similarity 39.7%; Pred. No. 2.8e-22;
Matches 60; Conservative 20; Mismatches 61; Indels 10; Gaps 4;

QY 2 CSLPMARYIIKYADQKALYTRDGLVGDVADNCCAEKICTLPNRLDRTKVPFLIG 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 8 CRMQAFRIWDV---NQKTFYLRNQLVAGYLQGSNTKLEEKLDVVVPE-----PHAVFLG 59

QY 61 IQGGSRLACVETEGPSLQLEDVNIIELYKGGEATRTFFQSSSGSAFRLAAAWPGW 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 60 IHGKGLCLACVKGDETRQLQLEAVNITDLSKNKQDKRFTFLSDSGPTTSFSAACPGW 119

QY 121 FLCGPAEPQVPQVLTKESEPSAR-TKFFFEQ 150
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 120 FLCTALEADRPVSLNRPPEAMMTKFFYFQK 150
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```
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 177 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; MOLECULE TYPE: rabbit IL-lra sequence
; US-08-862-730C-22

Query Match      29.5%; Score 241; DB 3; Length 177;
Best Local Similarity 39.2%; Pred. No. 2.5e-21;
Matches 60; Conservative 22; Mismatches 57; Indels 14; Gaps 5;

Qy  2 CSLPMARYIIKYADQKALYTRDQGLLVGDPVADNC-CAEKICTLPNRLDRTKVP--IF 58
Db  33 CRMQAFRIWDV---NKTFFLNNQLVAGLOGPNAKLEERIDVVPLE-----PQLLF 82

Qy  59 LGIQGSRCLACVETEFGPSQLEDVNIEELYKGGEATRTFTFFQSSGSAFRLAAAMP 118
Db  83 LGIQRGKLCSCVKSGDKMKLHLEAVNITDLGKNKEQDKRFTFIRNSGPTTTTFESASCP 142

Qy  119 GWFLGPAEPQPPVOLTKESEPS-ARTKFFFEQ 150
Db  143 GWFLCTALEADQPVSILTNTPPDDSIWVTKFFQE 175

Search completed: December 6, 2001, 08:46:45
Job time: 282 sec
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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: December 6, 2001, 08:37:45 ; Search time 76.13 seconds
(without alignments)
4063.693 Million cell updates/sec

Title: US-09-578-458-12

Perfect score: 1366

Sequence: 1 ggcagtgaggactgggttga.....gtattattgaaacctctgg 1366

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents, NA.*
- 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
 - 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
 - 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
 - 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
 - 5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
 - 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	109.2	8.0	1282	4	US-09-417-455-4
2	109.2	8.0	2648	4	US-09-417-455-6
3	103.4	7.6	1710	3	US-09-000-630C-1
4	103.4	7.6	1710	3	US-08-862-730C-1
5	95	7.0	462	4	US-08-798-414-1
6	95	7.0	462	4	US-09-131-247-1
7	95	7.0	474	1	US-08-476-860-9
8	95	7.0	474	2	US-08-910-733-9
9	95	7.0	474	2	US-08-910-884-9
10	95	7.0	514	1	US-08-284-784-41
11	95	7.0	531	2	US-08-854-811-41
12	95	7.0	531	2	US-08-809-185-1
13	95	7.0	534	3	US-09-000-630C-24
14	95	7.0	534	3	US-08-862-730C-24
15	95	7.0	543	1	US-08-422-655-1
16	95	7.0	579	1	US-08-476-860-12
17	95	7.0	579	2	US-08-910-733-12
18	95	7.0	579	2	US-08-910-884-12
19	95	7.0	602	1	US-08-459-811-1
20	95	7.0	602	1	US-08-459-092-1
21	95	7.0	602	2	US-08-459-814-1
22	95	7.0	602	2	US-08-425-232-1
23	95	7.0	602	2	US-08-471-227-2
24	95	7.0	603	1	US-08-484-598-1
25	95	7.0	603	2	US-08-479-140-1
26	95	7.0	603	3	US-08-477-143-1
27	95	7.0	717	1	US-08-284-784-40

28 95 7.0 717 2 US-08-854-811-40 Sequence 40, Appli
29 94 6.9 537 3 US-09-000-630C-27 Sequence 27, Appli
30 94 6.9 537 3 US-08-862-730C-27 Sequence 27, Appli
31 92.4 6.8 537 3 US-09-000-630C-25 Sequence 25, Appli
32 92.4 6.8 537 3 US-08-862-730C-25 Sequence 25, Appli
C 33 90.6 6.6 246240 2 US-08-724-394A-20 Sequence 20, Appli
C 34 90.6 6.6 246240 2 US-08-724-394A-21 Sequence 21, Appli
C 35 90.6 6.6 246240 2 US-08-724-394A-22 Sequence 22, Appli
C 36 89.8 6.6 176373 3 US-09-128-155-17 Sequence 17, Appli
37 88.4 6.5 534 3 US-09-000-630C-26 Sequence 26, Appli
38 88.4 6.5 534 3 US-08-862-730C-26 Sequence 26, Appli
39 84.6 6.2 475 4 US-09-131-247-3 Sequence 3, Appli
40 84.6 6.2 1167 4 US-09-131-247-15 Sequence 15, Appli
41 84.6 6.2 1170 4 US-09-131-247-13 Sequence 13, Appli
42 71.2 5.2 357 4 US-09-417-455-1 Sequence 1, Appli
43 71.2 5.2 985 4 US-09-417-455-2 Sequence 2, Appli
44 68 5.0 5751 4 US-09-417-455-7 Sequence 7, Appli
45 68 5.0 7605 4 US-09-417-455-8 Sequence 8, Appli

ALIGNMENTS

RESULT 1
US-09-417-455-4
; Sequence 4, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (73)...(537)
US-09-417-455-4

Query Match 8.0%; Score 109.2; DB 4; Length 1282;
Best Local Similarity 58.4%; Pred. No. 1.1e-23;
Matches 230; Conservative 0; Mismatches 158; Indels 6; Gaps 2;
QY 439 ggcagataactacataataatgcagaccaggaagctctatcacagagagcgcca 498
Db 87 ggcgctgtgtccgaatgaaggactgcgctattgaggtgttttcttcgataaacc 146


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;
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: open' reading frame
; LOCATION: 60 to 587
; OTHER INFORMATION:
; US-09-000-630C-1

Query Match          7.6%; Score 103.4; DB 3; Length 1710;
Best Local Similarity 64.3%; Pred. No. 7.6e-22;
Matches 155; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 588 ccatttctctggggtccaggaggagcgctgctggccatgtgtggagacagagaagg 647
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 298 CCGTGTCTTGGGATCCATGGGGGAAGCTGTGCTGCTGCTCAAGTCTGGAGATG 357

QY 648 ggccttccctacagctggaggatgtgaacattgaggaaactgtacaaaaggtggaagagg 707
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 358 AGACCAAGGCTCCAGCTGGAGGCGGTTAAACATCATCTGACCTGAGTAAGAACAAAGGATCAAG 417

QY 708 ccacacgcttcccttctccagagcagctcaggtccgccttcaggcttgaggctgctg 767
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 418 ACAAGGCTTTACCTTCATCTCTCAGACAGTGGGCCCCACCAAGCTTTGAGTCTGCTG 477

QY 768 cctggcctggctggttctctgtgtgcccggcagagccccagcagccagctacagctcacca 827
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 478 CTGCGCTGGCTGGTTCCTCTGCACAGACTGGAGGCGCGCCGCTGTCTCAGCCTCACCA 537

QY 828 a 828
Db 538 A 538

RESULT 4
US-08-862-730C-1
; Sequence 1, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: Wordperfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1710 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: N
; ANTI-SENSE: N
; ORIGINAL SOURCE:
; ORGANISM: Canis familiaris
; CELL TYPE: canine peripheral blood macrophage
; CELL LINE: primary monocytes
; IMMEDIATE SOURCE:
; LIBRARY: lambda gt11 cDNA

;
; CLONE: Canine IL-lra
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1 to 1710
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: open reading frame
; LOCATION: 60 to 587
; OTHER INFORMATION:
; US-08-862-730C-1

Query Match          7.6%; Score 103.4; DB 3; Length 1710;
Best Local Similarity 64.3%; Pred. No. 7.6e-22;
Matches 155; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 588 ccatttctctggggtccaggaggagcgctgctggccatgtgtggagacagagaagg 647
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 298 CCGTGTCTTGGGATCCATGGGGGAAGCTGTGCTGCTGCTCAAGTCTGGAGATG 357

QY 648 ggccttccctacagctggaggatgtgaacattgaggaaactgtacaaaaggtggaagagg 707
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 358 AGACCAAGGCTCCAGCTGGAGGCGGTTAAACATCATCTGACCTGAGTAAGAACAAAGGATCAAG 417

QY 708 ccacacgcttcccttctccagagcagctcaggtccgccttcaggcttgaggctgctg 767
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 418 ACAAGGCTTTACCTTCATCTCTCAGACAGTGGGCCCCACCAAGCTTTGAGTCTGCTG 477

QY 768 cctggcctggctggttctctgtgtgcccggcagagccccagcagccagctacagctcacca 827
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 478 CTGCGCTGGCTGGTTCCTCTGCACAGACTGGAGGCGCGCCGCTGTCTCAGCCTCACCA 537

QY 828 a 828
Db 538 A 538

RESULT 5
US-08-798-414-1
; Sequence 1, Application US/08798414
; Patent No. 6096728
; GENERAL INFORMATION:
; APPLICANT: COLLINS, David S.
; APPLICANT: BEVILACQUA, Michael P.
; TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING
; TITLE OF INVENTION: INFLAMMATORY DISEASES
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: AMGEN INC.
; STREET: 1840 De Havilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: US
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/798,414
; FILING DATE: 07-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,419
; FILING DATE: 09-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/032,789
; FILING DATE: 06-DEC-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US (Atty Dkt# A-365B-P)
; FILING DATE: 23-JAN-1997
; ATTORNEY/AGENT INFORMATION:
```

NAME: ZINDRICK, Thomas D.
REGISTRATION NUMBER: 32,185
REFERENCE/DOCKET NUMBER: A-365C
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 462 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..462
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..3
OTHER INFORMATION: /note= "Initial methionine is
OTHER INFORMATION: optional."
US-08-798-414-1

Query Match 7.0%; Score 95; DB 3; Length 462;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 tttctctgagatccagggagggcgcgtgctggtgagacagagaggggc 650
DB 170 TGTTCGTGGGAATCCATGGAGGAGATGCGCTGCTCTGTCAAGTCGTGATGAGA 229

QY 651 ctccctacagctggagagatgtgaacattgaggaactgtacaaagggtggaagagggcca 710
DB 230 CCAGACTCCAGCTGGAGGCGATTAACATCTACCTGAGCGAGAGAACAGGAGGACA 289

QY 711 cagcgttcacctctccagagcagctcaggtccgccttcaggcttgaggctgctgct 770
DB 290 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCGCCACCCAGCTTTGAGTCTCCCGCCT 349

QY 771 ggcctgggtgctctctgtgtggccgagagcccccagcagccagtcacagctcaccaagg 830
DB 350 GCCCGGTTGGTTCCTCTGTCACAGCGATGGAAGCTGACCGCCGTCAGCCTCACCATA 409

QY 831 agagtga 837
DB 410 TGCCTGA 416

RESULT 6
US-09-131-247-1
Sequence 1, Application US/09131247
Patent No. 6294170
GENERAL INFORMATION:
APPLICANT: Boone, Thomas C.
APPLICANT: Hershenson, Susan
APPLICANT: Bevilacqua, Michael P.
APPLICANT: Collins, David S.
TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING INFLAMMATORY
DISEASES
FILE REFERENCE: A-365F
CURRENT APPLICATION NUMBER: US/09/131,247
CURRENT FILING DATE: 1998-08-07
EARLIER APPLICATION NUMBER: 60/055,185
EARLIER FILING DATE: 1997-08-08
EARLIER APPLICATION NUMBER: PCT/US 97/02131
EARLIER FILING DATE: 1997-02-10
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 462
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(462)

OTHER INFORMATION: Initial methionine is optional
US-09-131-247-1

Query Match 7.0%; Score 95; DB 4; Length 462;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 tttctctgagatccagggagggcgcgtgctggtgagacagagaggggc 650
DB 170 TGTTCGTGGGAATCCATGGAGGAGATGCGCTGCTCTGTCAAGTCGTGATGAGA 229

QY 651 ctccctacagctggagagatgtgaacattgaggaactgtacaaagggtggaagagggcca 710
DB 230 CCAGACTCCAGCTGGAGGCGATTAACATCTACCTGAGCGAGAGAACAGGAGGACA 289

QY 711 cagcgttcacctctccagagcagctcaggtccgccttcaggcttgaggctgctgct 770
DB 290 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCGCCACCCAGCTTTGAGTCTCCCGCCT 349

QY 771 ggcctgggtgctctctgtgtggccgagagcccccagcagccagtcacagctcaccaagg 830
DB 350 GCCCGGTTGGTTCCTCTGTCACAGCGATGGAAGCTGACCGCCGTCAGCCTCACCATA 409

QY 831 agagtga 837
DB 410 TGCCTGA 416

RESULT 7
US-08-476-860-9
Sequence 9, Application US/08476860
Patent No. 5739282
GENERAL INFORMATION:
APPLICANT: COLOTTA, Francesco
APPLICANT: MUZIO, Maria
APPLICANT: MANTOVANI, Alberto
TITLE OF INVENTION: IL-1 ANTAGONIST
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,860
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT MI 94 A 002097
FILING DATE: 13-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: COLOTTA=1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA

;
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-476-860-9

Query Match 7.0%; Score 95; DB 1; Length 474;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 591 ttttctggggtccaggaggagcgctgcctggcagtggtggagacagagaggggc 650
DB 179 TGTCTTGGGAATCCATGGAGGAGATGCTGCTGTCTGTCAAGTCTGGTGATGAGA 238
QY 651 cttccctacagctggaggatgtgaacattgaggaaactgtacaaaggtggtgaagagggcca 710
DB 239 CCAGACTCCAGCTGGAGGAGTAACTACATCACTGACCTGAGCGAGAACAGACGAGGACA 298
QY 711 cagcgttcaactttctccagagcagctcaggtccgccttcaggcttgaggctgctgcct 770
DB 299 AGCGTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACCAAGTTTGTAGTCTGCCGCT 358
QY 771 ggcctggctggttctctgtgtgcccggcagagcccccagcagcagctacagctcaccaagg 830
DB 359 GCCCGGTTGGTTCCTCTGCACAGGATGGAAGTGAACCGCCGTCAGCCTCACCAATA 418
QY 831 agagtga 837
DB 419 TGCCTGA 425

RESULT 8
US-08-910-733-9
; Sequence 9, Application US/08910733
; Patent No. 5837495
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THEREO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,733
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/476,860
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.

;
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: COLOTTA-1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-910-733-9

Query Match 7.0%; Score 95; DB 2; Length 474;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 591 ttttctggggtccaggaggagcgctgcctggcagtggtggagacagagaggggc 650
DB 179 TGTCTTGGGAATCCATGGAGGAGATGCTGCTGTCTGTCAAGTCTGGTGATGAGA 238
QY 651 cttccctacagctggaggatgtgaacattgaggaaactgtacaaaggtggtgaagagggcca 710
DB 239 CCAGACTCCAGCTGGAGGAGTAACTACATCACTGACCTGAGCGAGAACAGACGAGGACA 298
QY 711 cagcgttcaactttctccagagcagctcaggtccgccttcaggcttgaggctgctgcct 770
DB 299 AGCGTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACCAAGTTTGTAGTCTGCCGCT 358
QY 771 ggcctggctggttctctgtgtgcccggcagagcccccagcagcagctacagctcaccaagg 830
DB 359 GCCCGGTTGGTTCCTCTGCACAGGATGGAAGTGAACCGCCGTCAGCCTCACCAATA 418
QY 831 agagtga 837
DB 419 TGCCTGA 425

RESULT 9
US-08-910-884-9
; Sequence 9, Application US/08910884
; Patent No. 5981713
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THEREO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

APPLICANT: Cohen, Pedro A.
TITLE OF INVENTION: EXPRESSION OF FUSION POLYPEPTIDES
TITLE OF INVENTION: TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER
TITLE OF INVENTION: SEQUENCES
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/854,811
FILING DATE: 12-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284,784
FILING DATE: 02-AUG-1994
APPLICATION NUMBER: 08/100,744
FILING DATE: 02-AUG-1993
ATTORNEY/AGENT INFORMATION:
NAME: Buffinger, Nicholas S
REGISTRATION NUMBER: 39,124
REFERENCE/DOCKET NUMBER: 22095-20275.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 514 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-854-811-41

Query Match 7.0%; Score 95; DB 2; Length 514;
Best Local Similarity 56.9%; Pred. No. 1.5e-19;
Matches 195; Conservative 0; Mismatches 145; Indels 3; Gaps 1;
QY 591 ttttctggggatccaggaggagccgctgctgcatgtgtgagacagagaggggc 650
Db 170 TGTCTTGGGAATCCATGGAGGGAAGATGTGCTCTCTCTCAAGTCTGTGATGAGA 229
QY 651 ctctccctacagctggagatgtgaacattgagaaactgtacaaagtgtgaagagcca 710
Db 230 CCAGACTCCAGCTGGAGGAGTACATACATCTGACCTGAGCGAGAGACAAAGCAGACA 289
QY 711 cacgcttcaccttctccagagcagctcaggctccgcttcaggcttgagctgctgcct 770
Db 290 AGCGCTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACCATGTTTGATGTGCGCCT 349
QY 771 ggccttgctggttctctgtgtgcccggagagcccccagcagcagctacagctcaccagg 830
Db 350 GCCCGCGGTGGTTCCTCTGACAGCGGATGGAAGCTGACACAGCCCGCTCAGCCCTCACCAATA 409
QY 831 agagtggagccctcagcc---cgtaccaagtcttactttgaacagagcagctgtagggagaca 887
Db 410 TGCCCTGACGAAGGGCTGATGGTGTCACCAAAATCTACTTCCAGGAGGACGAGTAAGTACTTG 469
QY 888 ggaactgcgttttagccttctgtgcccccaaaccaagctcatcc 930
Db 470 CTAAATGTACCTAGGCTTCGCGGCTCGAGTAAGCTTATGC 512

RESULT 12

US-08-809-185-1
Sequence 1, Application US/08809185
Patent No. 5922573
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: IL-1 receptor antagonists with increased
TITLE OF INVENTION: Inhibitory activity
NUMBER OF SEQUENCES: 8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/809,185
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT MI 94/A 001916
FILING DATE: 21-SEP-1994
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 531 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 1..531
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 1..75
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 76..531
FEATURE:
NAME/KEY: mutation
LOCATION: replace(346..348,"cgc")
OTHER INFORMATION: /note="CGC is the codon for the preferred
OTHER INFORMATION: Asn -> Arg amino acid substitution at this
OTHER INFORMATION: position."
FEATURE:
NAME/KEY: mutation
LOCATION: replace(400..402,"gcc")
OTHER INFORMATION: /note="GCC is the codon for the preferred
OTHER INFORMATION: Thr -> Ala amino acid substitution at this
OTHER INFORMATION: position."
US-08-809-185-1

Query Match 7.0%; Score 95; DB 2; Length 531;
Best Local Similarity 61.5%; Pred. No. 1.5e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 591 ttttctggggatccaggaggagccgctgctgcatgtgtgagacagagaggggc 650
Db 242 TGTCTTGGGAATCCATGGAGGGAAGATGTGCTCTCTCTCAAGTCTGTGATGAGA 301
QY 651 ctctccctacagctggagatgtgaacattgagaaactgtacaaagtgtgaagagcca 710
Db 302 CCAGACTCCAGCTGGAGGAGTAAACATCACTGACCTGAGCGAGAGACAAAGCAGACA 361
QY 711 cacgcttcaccttctccagagcagctcaggctccgcttcaggcttgagctgctgcct 770
Db 362 AGCGCTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACCATGTTTGAGTCTGCCGCT 421
QY 771 ggccttgctggttctctgtgtgcccggagagcccccagcagctcagctcaccagg 830


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; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,655
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/100,646
; FILING DATE: 30-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-OM 9693
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 543 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..534
; US-08-422-655-1

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Query Match          7.0%; Score 95; DB 1; Length 543;
Best Local Similarity 61.5%; Pred. No. 1.6e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 tttctggggatccaggagagcgctgcctggcatgtgtggagacagagaggggc 650
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 242 TGTTCTTGGGATCCATGGAGGAGAGTGTGCTGTCTGTGTCAGTCTGGTGATGAGA 301

QY 651 cttccctacagctgaggatgtgaacattgaggaaactgtacaaagtggtgaagagggcca 710
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 302 CCAGACTCCAGCTGGAGGCGAGTTAATACATCACTGACCTGAGCGAGAACAGAAACAGSACA 361

QY 711 cagcttcaccttcttcagagcagctcaggtccgccttcaggttcaggtcgtgcct 770
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 362 AGCGCTTCGCCTTCATCCGCTCAGACAGTGGGCCACACCACTTTTGAGTCTGCCGCCT 421

QY 771 ggcctggctggttcctgtgtgcccggcagagcccccagccagcagctacagctcaccagg 830
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 422 GCCCGGTGGTTCCTCTGCACAGCGATGGAAGCTGACCAGCCCGCTCAGCCTCACCAATA 481

QY 831 agagtga 837
   |||
Db 482 TGCCTGA 488

```

Search completed: December 6, 2001, 08:37:51
Job time: 103 sec

Result No.	Score	Query %		Length	DB	ID	Description
		Match					
1	283	25.9	155	4	US-09-417-455-5	Sequence 5, Appli	
2	260.5	23.9	178	3	US-09-000-630C-23	Sequence 23, Appl	
3	260.5	23.9	178	3	US-08-862-730C-23	Sequence 23, Appl	
4	260.5	23.9	178	4	US-09-417-455-10	Sequence 10, Appl	
5	257.5	23.6	178	4	US-09-417-455-9	Sequence 9, Appl	
6	255.5	23.4	178	3	US-09-000-630C-21	Sequence 21, Appl	
7	255.5	23.4	178	3	US-08-862-730C-21	Sequence 21, Appl	
8	253.5	23.2	176	3	US-09-000-630C-4	Sequence 4, Appli	
9	253.5	23.2	176	3	US-08-862-730C-4	Sequence 4, Appli	
10	250	22.9	151	3	US-09-000-630C-3	Sequence 3, Appli	
11	250	22.9	151	3	US-08-862-730C-3	Sequence 3, Appli	
12	250	22.9	154	3	US-09-000-630C-5	Sequence 5, Appli	
13	250	22.9	154	3	US-08-862-730C-5	Sequence 5, Appli	
14	241	22.1	177	3	US-09-000-630C-22	Sequence 22, Appl	
15	241	22.1	177	3	US-08-862-730C-22	Sequence 22, Appl	
16	241	22.1	177	4	US-09-417-455-11	Sequence 11, Appl	
17	239.5	21.9	153	3	US-08-677-778B-1	Sequence 1, Appli	
18	238.5	21.8	153	3	US-08-798-414-2	Sequence 2, Appli	
19	238.5	21.8	153	4	US-09-131-247-2	Sequence 4, Appli	
20	238.5	21.8	153	4	US-09-131-247-4	Sequence 4, Appli	
21	238.5	21.8	156	1	US-08-476-860-10	Sequence 10, Appl	
22	238.5	21.8	156	2	US-08-910-733-10	Sequence 10, Appl	
23	238.5	21.8	156	2	US-08-910-884-10	Sequence 10, Appl	
24	238.5	21.8	159	1	US-08-459-811-2	Sequence 2, Appli	
25	238.5	21.8	159	2	US-08-484-598-2	Sequence 2, Appli	
26	238.5	21.8	159	2	US-08-459-092-2	Sequence 2, Appli	
27	238.5	21.8	159	2	US-08-459-814-2	Sequence 2, Appli	

Db 76 PTLTLEPVNIMELYGAKESKSTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQ 135
QY 185 ESE----PSARTKFFFEQ 198
Db 136 LPENGWGNAPITDFYFQ 153

RESULT 2

US-09-000-630C-23
; Sequence 23, Application US/09000630C
; Patent No. 6018029
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,630C
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/862,730
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rat IL-lra sequence
US-09-000-630C-23

Query Match 23.9%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 4.1e-22;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;
QY 64 DQALYTRDGLLVGDPVADNC-CAEIKCTLPNRGLDRKVPFLGIQGGSRCLACVETE 122
Db 45 NQKTYLRNQLIAGYLGQPNKLEKIDMVP---IDFRNV--FLGIHGKLCSCVKSG 99
QY 123 EGPQLQEDVNIIELYKGGEATRTFTFSSSGSAFRLEAAWPGWFLCGPAEPQPVOL 182
Db 100 DDTKLQLEEVNITDLNKNKEEDKRTFTIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 183 TK-ESEPSARTKFFFEQ 198
Db 160 TNPKEPCTVTKFFQE 176

RESULT 3

US-08-862-730C-23
; Sequence 23, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rat IL-lra sequence
US-08-862-730C-23

Query Match 23.9%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 4.1e-22;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;
QY 64 DQALYTRDGLLVGDPVADNC-CAEIKCTLPNRGLDRKVPFLGIQGGSRCLACVETE 122
Db 45 NQKTYLRNQLIAGYLGQPNKLEKIDMVP---IDFRNV--FLGIHGKLCSCVKSG 99
QY 123 EGPQLQEDVNIIELYKGGEATRTFTFSSSGSAFRLEAAWPGWFLCGPAEPQPVOL 182
Db 100 DDTKLQLEEVNITDLNKNKEEDKRTFTIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 183 TK-ESEPSARTKFFFEQ 198
Db 160 TNPKEPCTVTKFFQE 176

RESULT 4

US-09-417-455-10
; Sequence 10, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30


```
;
;
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: mouse IL-lra sequence
;
; US-08-862-730C-21

Query Match 23.4%; Score 255.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 1.5e-21;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;

QY 64 DKALYTRDQQLVGDVADNCCAE-KICTLPNRLDRTKVPFLIGQGSRCCLACVETE 122
   || || || || || || || || || || || || || || || || || || || ||
Db 45 NQKTFYLRNQLIAGYLQGNKLEKIDMVP---IDLHSV--FLGIHGKGLCLSCAKSG 99

QY 123 EGSLOLEDVNIIELYKGGENTRFTFFQSSGSAFLRLEAAWPCWFLGPAEPQPVOL 182
   || || || || || || || || || || || || || || || || || || || ||
Db 100 DDIKLOLEEVNITDLSKNKEEDKRFTRIRSEKGTTSFESAACPGWFLCTTLEADRPVSL 159

QY 183 TK-ESEPSARTKFFEQ 198
   | || || || || || || || || || || || || || || || || || || ||
Db 160 TNTPEELIVTKFFQE 176

RESULT 8
US-09-000-630C-4
; Sequence 4, Application US/09000630C
; Patent No.: 6018029
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,630C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; NUMBER OF SEQUENCES: 27
; LENGTH: 176 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: IL-lra full length peptide
;
; US-08-862-730C-4

Query Match 23.2%; Score 253.5; DB 3; Length 176;
Best Local Similarity 39.8%; Pred. No. 2.6e-21;
Matches 66; Conservative 20; Mismatches 69; Indels 11; Gaps 5;

QY 36 LPISEDQ--TPLIAGMCSLPMARYIYIKYADQKALYTRDQQLVGDVADNCAEAKICIL 93
   || || || || || || || || || || || || || || || || || || || ||
Db 18 LPHSETACRPLGKRCRQMAFRIDV---NOKTFYLRNQLVAGYLQGSNTKLEEKLDVV 74

QY 94 PNRLDRTKVPFLIGQGSRCCLACVETEESGSLQLEDVNIIELYKGGENTRFTFFQSS 153
   || || || || || || || || || || || || || || || || || || || ||
Db 75 PVE-----PHAVFLGIHGKGLCLACVSGDETRQLQLEAVNITDLSKNKQDQRFTFILSD 129

QY 154 SGSAPRLEAAWPCWFLGCPAEPQPVQLTKESEPSAR--TKFYFEQ 198
   || || || || || || || || || || || || || || || || || || || ||
Db 130 SGPTTSFESAACPGWFLCTALEADRPVSLTNRPEAMVMTKYFQK 175
```

```
;
;
; LENGTH: 176 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: IL-lra full length peptide
;
; US-09-000-630C-4

Query Match 23.2%; Score 253.5; DB 3; Length 176;
Best Local Similarity 39.8%; Pred. No. 2.6e-21;
Matches 66; Conservative 20; Mismatches 69; Indels 11; Gaps 5;

QY 36 LPISEDQ--TPLIAGMCSLPMARYIYIKYADQKALYTRDQQLVGDVADNCAEAKICIL 93
   || || || || || || || || || || || || || || || || || || || ||
Db 18 LPHSETACRPLGKRCRQMAFRIDV---NOKTFYLRNQLVAGYLQGSNTKLEEKLDVV 74

QY 94 PNRLDRTKVPFLIGQGSRCCLACVETEESGSLQLEDVNIIELYKGGENTRFTFFQSS 153
   || || || || || || || || || || || || || || || || || || || ||
Db 75 PVE-----PHAVFLGIHGKGLCLACVSGDETRQLQLEAVNITDLSKNKQDQRFTFILSD 129

QY 154 SGSAPRLEAAWPCWFLGCPAEPQPVQLTKESEPSAR--TKFYFEQ 198
   || || || || || || || || || || || || || || || || || || || ||
Db 130 SGPTTSFESAACPGWFLCTALEADRPVSLTNRPEAMVMTKYFQK 175

RESULT 9
US-08-862-730C-4
; Sequence 4, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; NUMBER OF SEQUENCES: 27
; LENGTH: 176 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: IL-lra full length peptide
;
; US-08-862-730C-4

Query Match 23.2%; Score 253.5; DB 3; Length 176;
Best Local Similarity 39.8%; Pred. No. 2.6e-21;
Matches 66; Conservative 20; Mismatches 69; Indels 11; Gaps 5;

QY 36 LPISEDQ--TPLIAGMCSLPMARYIYIKYADQKALYTRDQQLVGDVADNCAEAKICIL 93
   || || || || || || || || || || || || || || || || || || || ||
Db 18 LPHSETACRPLGKRCRQMAFRIDV---NOKTFYLRNQLVAGYLQGSNTKLEEKLDVV 74

QY 94 PNRLDRTKVPFLIGQGSRCCLACVETEESGSLQLEDVNIIELYKGGENTRFTFFQSS 153
   || || || || || || || || || || || || || || || || || || || ||
Db 75 PVE-----PHAVFLGIHGKGLCLACVSGDETRQLQLEAVNITDLSKNKQDQRFTFILSD 129

QY 154 SGSAPRLEAAWPCWFLGCPAEPQPVQLTKESEPSAR--TKFYFEQ 198
   || || || || || || || || || || || || || || || || || || || ||
Db 130 SGPTTSFESAACPGWFLCTALEADRPVSLTNRPEAMVMTKYFQK 175
```

```

: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.50 inch,
: BEST LOCAL SIMILARITY 39.5%; Pred. No. 5.2e-21;
: OPERATING SYSTEM: Microsoft Windows
: SOFTWARE: Wordperfect 6.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/862,730C
: FILING DATE: 5/23/97
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 151 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: mature peptide
: US-08-862-730C-3

Query Match      22.9%; Score 250; DB 3; Length 151;
Best Local Similarity 39.5%; Pred. No. 5.2e-21;
Matches 62; Conservative 20; Mismatches 65; Indels 10; Gaps

QY  44  PLIAGMSLPMARYIIKIYADQKALYTRDQGLLVGDPVADNC-CAEKICTLPNRLGDRTK 102
    ||      | : : : : : || | : : | : | : | : | : | : | : | : | : | : |
DB  2  PLGKPRCPMAQFRINDV--NQKTFYLRNNQLVAGVYLGQSNTKLEKLDVWVE-----P 53

QY  103 VPIFLGIQGSRCRLACVETEEGPSLOLEDVNIELYKGGEAFRTFFFOSSGSAPRLRA 162
     :||| || :||| :| :||| || :||| || :||| || :||| || :||| || :||| || :
DB  54  HAVFLGIHGKGLCLACVKSGDETRLQLEAVNITDLSKNKDQDKRFFILSDSGPTTSFES 113

QY  163 AANPGWFLCGPAPGQQPVQLTKSEPSAR-TKIFYEQ 198
    || ||||| || :||| || :||| || :||| || :||| || :||| || :||| || :
DB  114 AACPGWFLCTALEADRPVSLTNRPPEAMVMYTKIFYQK 150

RESULT 12
US-09-000-630C-5
: Sequence 5, Application US/09000630C
: Patent No. 6018029
: GENERAL INFORMATION:
: APPLICANT: Fuller, Gerald M
: APPLICANT: Fuentes, Nelson L.
: TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
: TITLE OF INVENTION: Antagonist
: NUMBER OF SEQUENCES: 27
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Douglas C Murdock/Bradley, Arant, Rose & White
: STREET: 2001 Park Place, Suite 1400
: CITY: Birmingham
: STATE: Alabama
: COUNTRY: USA
: ZIP: 35203-2736
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.50 inch,
: COMPUTER: IBM compatible
: OPERATING SYSTEM: Microsoft Windows
: SOFTWARE: Wordperfect 6.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/000,630C
: FILING DATE:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/862,730
: FILING DATE:
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 154 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: cleaved IL-1ra peptide from fusion construct
: US-09-000-630C-5

Query Match      22.9%; Score 250; DB 3; Length 154;
Best Local Similarity 39.5%; Pred. No. 5.3e-21;

```

Matches 62; Conservative 20; Mismatches 65; Indels 10; Gaps 4;

QY 44 PLIAGMCSLPARYIIKYADOKALYTRDGLLVGDPVADNC-CAEKICTLPNRLDRTK 102
|| | : : : : || | : : : : || | : : : : || | : : : :
Db 5 PLKRRPCRMQAFRIWDV---NQTFFLRNQLVAGYLOGSNKLEEKLDVVPVE-----P 56
QY 103 VPIFLGQGSRLACVETEETEGPSLQLEDVNIIELYKGGEATRTFTFFQSSGSAFRLA 162
:||||| : ||||| : : ||||| : : ||||| : : ||||| : : ||||| :
Db 57 HAVFLGIGHGKLCACVKGSGDETRQLQLEAVNITDLSKNKDQKRFTFLSDSGPTTSPES 116
QY 163 AANPGWFLCGPAEPQPVOLTKSEPSAR-TKFFFEQ 198
|| ||||| | :||| | : ||||| :
Db 117 AACPGWFLCTALEADRPVSLTNRPEEAMVMTKFFQK 153

RESULT 13
US-08-862-730C-5
; Sequence 5, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fullner, Gerald M
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 154 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: cleaved IL-1ra peptide from fusion construct
US-08-862-730C-5

Query Match 22.9%; Score 250; DB 3; Length 154;
Best Local Similarity 39.3%; Pred. No. 5.3e-21;
Matches 62; Conservative 20; Mismatches 65; Indels 10; Gaps 4;

QY 44 PLIAGMCSLPARYIIKYADOKALYTRDGLLVGDPVADNC-CAEKICTLPNRLDRTK 102
|| | : : : : || | : : : : || | : : : : || | : : : :
Db 5 PLKRRPCRMQAFRIWDV---NQTFFLRNQLVAGYLOGSNKLEEKLDVVPVE-----P 56
QY 103 VPIFLGQGSRLACVETEETEGPSLQLEDVNIIELYKGGEATRTFTFFQSSGSAFRLA 162
:||||| : ||||| : : ||||| : : ||||| : : ||||| : : ||||| :
Db 57 HAVFLGIGHGKLCACVKGSGDETRQLQLEAVNITDLSKNKDQKRFTFLSDSGPTTSPES 116
QY 163 AANPGWFLCGPAEPQPVOLTKSEPSAR-TKFFFEQ 198
|| ||||| | :||| | : ||||| :
Db 117 AACPGWFLCTALEADRPVSLTNRPEEAMVMTKFFQK 153

RESULT 14
US-09-000-630C-22
; Sequence 22, Application US/09000630C
; Patent No. 6018029
; GENERAL INFORMATION:
; APPLICANT: Fullner, Gerald M
; APPLICANT: Fuentes, Nelson L

; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,630C
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/862,730
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rabbit IL-1ra sequence
US-09-000-630C-22

Query Match 22.1%; Score 241; DB 3; Length 177;
Best Local Similarity 39.2%; Pred. No. 7e-20;
Matches 60; Conservative 22; Mismatches 57; Indels 14; Gaps 5;

QY 50 CSLPMARYIIKYADOKALYTRDGLLVGDPVADNC-CAEKICTLPNRLDRTKVP--IF 106
| : : : : || | : : : : || | : : : : || | : : : :
Db 33 CRMQAFRIWDV---NQTFFLRNQLVAGYLOGSNKLEERIDVVPLE-----PQLLF 82
QY 107 LGIQGGSRLACVETEETEGPSLQLEDVNIIELYKGGEATRTFTFFQSSGSAFRLA 166
:||||| : ||||| : : ||||| : : ||||| : : ||||| : : ||||| :
Db 83 LGIQGKLCSCVKGSGDKMKHLAVNITDGLKNKQKRFTFIRNSGPTTTFESASCP 142
QY 167 GWFLCGPAEPQPVOLTKSEPS-ARTKFFFEQ 198
|| ||||| | ||| | : ||||| :
Db 143 GWFLCTALEADQPVSNTPTDDSIIVVTKFFQE 175

RESULT 15
US-08-862-730C-22
; Sequence 22, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fullner, Gerald M
; APPLICANT: Fuentes, Nelson L
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97

```
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 177 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; MOLECULE TYPE: rabbit IL-1ra sequence
US-08-862-730C-22

Query Match      22.1%; Score 241; DB 3; Length 177;
Best Local Similarity 39.2%; Pred. NO. 7e-20;
Matches 60; Conservative 22; Mismatches 57; Indels 14; Gaps 5;

Qy 50 CSLPMARYIIKYADOKALYTRDQGLLYGDPVADNC-CAEKICTLPNRLDRTKVP--IF 106
Db 33 CRMQAFRIWDV---NOKTFYLRNNQLVAGYLOGPNAKLEERIDVVPLE-----PQLLF 82

Qy 107 LGIQGSRCLACVETEEGPSLQLEDVNIIEELYKGGEATRTFFOSSSGSAFRLEAAAWP 166
Db 83 LGIQRGKLCCLSCVKSQDKMKLHLEAVNITDLGKNKEQDKRFTFIRNSGPTTFESASCP 142

Qy 167 GWFLCGPAEPQPVOLTKSEPS-ARTKIFYEQ 198
Db 143 GWFLCLEADQPVSLTNTPDSDIVVTKIFYQE 175

Search completed: December 6, 2001, 08:46:46
Job time: 283 sec
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; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: open reading frame
; LOCATION: 60 to 587
; OTHER INFORMATION:
US-09-000-630C-1

Query Match          7.6%; Score 103.4; DB 3; Length 1710;
Best Local Similarity 64.3%; Pred. No. 6.8e-22;
Matches 155; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 588 ccaatttcctggggtccagggagggagccgtgctgcatgtgtggagacagagagg 647
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 298 CCGTGTCTTGGGATCCATGGGGGAAGCTGTGCTGCTGTGCAAGTCTGGAGATG 357
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 648 ggccttcctacagctggaggatgtgaacattgaggaactgtacaagggtgggaagagg 707
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 358 AGACCAAGGCTCCAGCTGGAGGCGGTTAAACATCAGTACCTGAGTAAGAACAGGATCAAG 417
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 708 ccacagcttcacctcttcacagagcagctcaggtccgcttcaggttcaggttcgctg 767
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 418 ACAGGCGCTTACCTTCATCCTCTCAGACAGTGGCCCCCACCACAGCTTTGAGTCTGCTG 477
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 768 cctggcctggctgttcctgtgtgcccggcagagcccccagcagccagctcacca 827
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 478 CTGCCCCCTGGTGGTTCCTCTGACAGACTGGAGGCGCGACCGGCTGTGAGCTCACCA 537
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 828 a 828
Db 538 A 538

RESULT 4
US-08-862-730C-1
; Sequence 1, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1710 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: N
; ANTI-SENSE: N
; ORIGINAL SOURCE:
; ORGANISM: Canis familiaris
; CELL TYPE: canine peripheral blood macrophage
; CELL LINE: primary monocytes
; IMMEDIATE SOURCE:
; LIBRARY: lambda gt11 cDNA

```

```

; CLONE: Canine IL-lra
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1 to 1710
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: open reading frame
; LOCATION: 60 to 587
; OTHER INFORMATION:
US-08-862-730C-1

Query Match          7.6%; Score 103.4; DB 3; Length 1710;
Best Local Similarity 64.3%; Pred. No. 6.8e-22;
Matches 155; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 588 ccaatttcctggggtccagggagggagccgtgctgcatgtgtggagacagagagg 647
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 298 CCGTGTCTTGGGATCCATGGGGGAAGCTGTGCTGCTGTGCAAGTCTGGAGATG 357
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 648 ggccttcctacagctggaggatgtgaacattgaggaactgtacaagggtgggaagagg 707
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 358 AGACCAAGGCTCCAGCTGGAGGCGGTTAAACATCAGTACCTGAGTAAGAACAGGATCAAG 417
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 708 ccacagcttcacctcttcacagagcagctcaggtccgcttcaggttcaggttcgctg 767
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 418 ACAGGCGCTTACCTTCATCCTCTCAGACAGTGGCCCCCACCACAGCTTTGAGTCTGCTG 477
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 768 cctggcctggctgttcctgtgtgcccggcagagcccccagcagccagctcacca 827
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 478 CTGCCCCCTGGTGGTTCCTCTGACAGACTGGAGGCGCGACCGGCTGTGAGCTCACCA 537
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 828 a 828
Db 538 A 538

RESULT 5
US-08-798-414-1
; Sequence 1, Application US/08798414
; Patent No. 6096728
; GENERAL INFORMATION:
; APPLICANT: COLLINS, David S.
; APPLICANT: BEVILACQUA, Michael P.
; TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING
; TITLE OF INVENTION: INFLAMMATORY DISEASES
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: AMGEN INC.
; STREET: 1840 De Havilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: US
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/798,414
; FILING DATE: 07-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,419
; FILING DATE: 09-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/032,789
; FILING DATE: 06-DEC-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US (Atty Dkt# A-365B-P)
; FILING DATE: 23-JAN-1997
; ATTORNEY/AGENT INFORMATION:

```

```
; NAME: ZINDRICK, Thomas D.
; REGISTRATION NUMBER: 32,185
; REFERENCE/DOCKET NUMBER: A-365C
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 462 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..462
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..3
; OTHER INFORMATION: /note= "Initial methionine is
; OTHER INFORMATION: optional."
;
; US-08-798-414-1

Query Match          7.0%; Score 95; DB 3; Length 462;
Best Local Similarity 61.3%; Pred. No. 1.3e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggtaccaggagggagccgctgcctggcatgtgtggagacagaagagggc 650
Db 170 TGTCTTGGGAATCCATGGAGGGAGAGATGCTCTGTCTGTCTCAAGTGTGCTGATGAGA 229

QY 651 cttccctacagctggagatgtgaacattgaggaaactgtacaaagggtggtgaagagcca 710
Db 230 CCAGACTCCAGCTGGAGCGAGTAACTACCTGAGCGAGAACAGAAAGCAGGACA 289

QY 711 cagcttcacactttctccagagcagctcaggctccgccttcaggcttgaggctgctgcct 770
Db 290 AGCGCTTCGCTTCATCCGCTCGACAGAGTGGCCCGCCACACACAGTTTGTGAGTCTCCGCGCT 349

QY 771 ggcctggctgtctctgtgtgcccgcagagcccgagccagccagctacagctcaccagg 830
Db 350 GCCCGGTTGCTGCTCTGTCACACGAGTGAAGCTGACCGCCGCTCAGCCTCACCATA 409

QY 831 agagtga 837
Db 410 TGCCTGA 416

RESULT 6
US-09-131-247-1
; Sequence 1, Application US/09131247
; Patent No. 6294170
; GENERAL INFORMATION:
; APPLICANT: Boone, Thomas C.
; APPLICANT: Hershenson, Susan
; APPLICANT: Bevilacqua, Michael P.
; APPLICANT: Collins, David S.
; TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING INFLAMMATORY
; TITLE OF INVENTION: DISEASES
; FILE REFERENCE: A-365F
; CURRENT APPLICATION NUMBER: US/09/131,247
; EARLIER FILING DATE: 1998-08-07
; EARLIER APPLICATION NUMBER: 60/055,185
; EARLIER FILING DATE: 1997-08-08
; EARLIER APPLICATION NUMBER: PCT/US 97/02131
; EARLIER FILING DATE: 1997-02-10
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(462)
```

```
; OTHER INFORMATION: Initial methionine is optional
;
; US-09-131-247-1

Query Match          7.0%; Score 95; DB 4; Length 462;
Best Local Similarity 61.5%; Pred. No. 1.3e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggtaccaggagggagccgctgcctggcatgtgtggagacagaagagggc 650
Db 170 TGTCTTGGGAATCCATGGAGGGAGAGATGCTCTGTCTGTCTCAAGTGTGCTGATGAGA 229

QY 651 cttccctacagctggagatgtgaacattgaggaaactgtacaaagggtggtgaagagcca 710
Db 230 CCAGACTCCAGCTGGAGCGAGTAACTACCTGAGCGAGAACAGAAAGCAGGACA 289

QY 711 cagcttcacactttctccagagcagctcaggctccgccttcaggcttgaggctgctgcct 770
Db 290 AGCGCTTCGCTTCATCCGCTCGACAGAGTGGCCCGCCACACAGTTTGTGAGTCTCCGCGCT 349

QY 771 ggcctggctgtctctgtgtgcccgcagagcccgagcccgagccagctacagctcaccagg 830
Db 350 GCCCGGTTGCTGCTCTGTCACACGAGTGAAGCTGACCGCCGCTCAGCCTCACCATA 409

QY 831 agagtga 837
Db 410 TGCCTGA 416

RESULT 7
US-08-476-860-9
; Sequence 9, Application US/08476860
; Patent No. 5739282
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marita
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: IL-1 ANTAGONIST
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,860
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: COLOTTA-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
```

```
;
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-476-860-9
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```
Query Match 7.0%; Score 95; DB 1; Length 474;
Best Local Similarity 61.5%; Pred. No. 1.3e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggatccaggaggagcgctgctgctgcatgtgtggagacagagaggggc 650
DB 179 TGTTCCTGGGAATCCATGGAGGGAAGATGTGCTGTCTGTCAGTCTGGTGATGAGA 238

QY 651 cttccctacagctgagagatgtgaacattgaggaactgtacaaagtgtgaagagggcca 710
DB 239 CCAGACTCCAGCTGGAGGAGTAAACATCAGCTGAGCGGAGAAACAGAGGAGA 298

QY 711 cagcgttcaccttctccagagcagctcagctccgcttcagcttgaggtgctgctcct 770
DB 299 AGCGCTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACCAAGTTTGTGAGTCTGCCGCT 358

QY 771 ggcctggctgggttcctgtgtgcccggcagagcccccagcagcagctacagctcaccaagg 830
DB 359 GCCCGGTTGGTTCCTCTGCACAGCGATGGAAGCTGACCCGCCCTCAGCCCTCACCAATA 418

QY 831 agagtga 837
DB 419 TGCCTGA 425
```

```
RESULT 8
US-08-910-733-9
; Sequence 9, Application US/08910733
; Patent No. 5837495
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THEREO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,733
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/476,860
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
```

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;
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: COLOTTA-1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-910-733-9

Query Match 7.0%; Score 95; DB 2; Length 474;
Best Local Similarity 61.5%; Pred. No. 1.3e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggatccaggaggagcgctgctgctgcatgtgtggagacagagaggggc 650
DB 179 TGTTCCTGGGAATCCATGGAGGGAAGATGTGCTGTCTGTCAGTCTGGTGATGAGA 238

QY 651 cttccctacagctggagatgtgaacattgaggaactgtacaaagtgtgaagagggcca 710
DB 239 CCAGACTCCAGCTGGAGGAGTAAACATCAGCTGAGCGGAGAAACAGAGGAGA 298

QY 711 cagcgttcaccttctccagagcagctcagctccgcttcagcgttgaggtgctgctcct 770
DB 299 AGCGCTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACCAAGTTTGTGAGTCTGCCGCT 358

QY 771 ggcctggctgggttcctgtgtgcccggcagagcccccagcagcagctacagctcaccaagg 830
DB 359 GCCCGGTTGGTTCCTCTGCACAGCGATGGAAGCTGACCCGCCCTCAGCCCTCACCAATA 418

QY 831 agagtga 837
DB 419 TGCCTGA 425
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RESULT 9
US-08-910-884-9
; Sequence 9, Application US/08910884
; Patent No. 5981713
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THEREO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
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Query Match          7.0%; Score 95; DB 1; Length 514;
Best Local Similarity 56.9%; Pred. NO. 1.4e-19;
Matches 195; Conservative 0; Mismatches 145; Indels 3; Gaps

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QY	591	ttttcctgggattccaggaggagccgctgctgctgctgtggtgagacagaggggc	650
DB	170	TGTTCTTGGGAATCCATGGAGGAAGATGTGCCTGTCTCAAGTCTGGTGATGAGA	229
QY	651	cttcctcacagctggaggatgtgtgaacattgaggaaactgtacaaggtggtgaagagcca	710
DB	230	CCAGACTCCAGCTGGAGGCCAGTTTAAACATCACTGACCTGAGCGAGAACAGGACGAGCA	289
QY	711	caagcttcacattcttcacagacagctcagctccgctccgcttcagagcttgagctgctgcct	770
DB	290	AGCGCTTGGCCTTTATCCCTGTACAGAGTGGCCGCCACACCACTGTTTGTAGCTGTGCCGCT	349
QY	771	ggcctggctggttccctgtgtggcccgccagagcccgagccagctacagctcaccaag	830
DB	350	GCCCCGCTTGGTTCCCTCTGCACAGCGATGGAAGCTGACCAAGCCGTCAGCCTCACCAATA	409
QY	831	agagtgagccctcagcc--cgtaacaagtttaccttgaaacagagctggtgaaggagaca	893
DB	410	TGCCTGTACGAGAGCGCATGCTCACCAAATTTCTACTTCCAGGAGGACGAGTAAGTACTTG	469
QY	888	ggaactcgcttttagctgtgcccccaacccaagctcatcc	930
DB	470	CTAAATGTACCTTAGCCCTCCCGGCTCGAGTAAGCTTATGC	512

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RESULT 11
US-08-854-811-41
; Sequence 41, Application US/08854811
; Patent No. 5914254
; GENERAL INFORMATION:
; APPLICANT: Mascarenhas, Desmond
; APPLICANT: Zhang, Yang
; APPLICANT: Olson, Pamela S.
; APPLICANT: Olson, David R.

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; APPLICANT: Cohen, Pedro A.
; TITLE OF INVENTION: EXPRESSION OF FUSION POLYPEPTIDES
; TITLE OF INVENTION: TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER
; TITLE OF INVENTION: SEQUENCES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/854,811
; FILING DATE: 12-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/284,784
; FILING DATE: 02-AUG-1994
; APPLICATION NUMBER: 08/100,744
; FILING DATE: 02-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Buffinger, Nicholas S
; REGISTRATION NUMBER: 39,124
; REFERENCE/DOCKET NUMBER: 22095-20275.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 514 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-854-811-41

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Query Match          7.0%; Score 95; DB 2; Length 514;
Best Local Similarity 56.9%; Pred. No. 1.4e-19;
Matches 195; Conservative 0; Mismatches 145; Indels 3; Gaps 1;

QY 591 ttttctggggatccaggaggagccgctgctggcatgtgtggagacagagaggggc 650
Db 170 TGTTCCTGGGAATCCATGGAGGGAAGATGTGCTCTGTCTCAAGTCTGGTGATGAGA 229
QY 651 cttccctacagctggagatgtgaacttgaggaaactgtacaaaggtgtgaagagcca 710
Db 230 CCAGACTCAGCTGGAGGAGGTATACATCACTGACTGAGCGAGAACAGGAGGACA 289
QY 711 cacgcttcacctttctccagagcagctcaggtccgccttcaggcttgaggtgctgct 770
Db 290 AGCGCTTCGCTTCATCCGCTCAGACAGTGGGCCCCACCACAGATTGTGAGTCTGCCGCT 349
QY 771 ggccttggtgttctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 830
Db 350 GCCCGCGTGTGTCTCTGTACAGAGGATGGAAGCTGACCCAGCCGCTCAGCCCTCACCAATA 409
QY 831 agagtggagccctcagcc---cgtaccaagttttactttgaacagagctgtgtgtgtgtgt 887
Db 410 TGCCCTGACGAAGGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 469
QY 888 ggaactgcgtttttgacctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 930
Db 470 CTAAATGTACCTTAGGCTTCGCCGCTCGAGTAAGCTTATGC 512

RESULT 12

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US-08-809-185-1
; Sequence 1, Application US/08809185
; Patent No. 5922573
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: IL-1 receptor antagonists with increased
; TITLE OF INVENTION: inhibitory activity
; NUMBER OF SEQUENCES: 8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/809,185
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94/A 001916
; FILING DATE: 21-SEP-1994
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 531 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..531
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 1..75
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 76..531
; FEATURE:
; NAME/KEY: mutation
; LOCATION: replace(346..348, "cgc")
; OTHER INFORMATION: /note= "CGC is the codon for the preferred
; OTHER INFORMATION: Asn -> Arg amino acid substitution at this
; OTHER INFORMATION: position."
; FEATURE:
; NAME/KEY: mutation
; LOCATION: replace(400..402, "gcc")
; OTHER INFORMATION: /note= "GCC is the codon for the preferred
; OTHER INFORMATION: Thr -> Ala amino acid substitution at this
; OTHER INFORMATION: position."
US-08-809-185-1

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Query Match          7.0%; Score 95; DB 2; Length 531;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggatccaggaggagccgctgctggcatgtgtggagacagagaggggc 650
Db 242 TGTTCCTGGGAATCCATGGAGGGAAGATGTGCTCTGTCTCAAGTCTGGTGATGAGA 301
QY 651 cttccctacagctggagatgtgaacttgaggaaactgtacaaaggtgtgtgtgtgtgtgt 710
Db 302 CCAGACTCAGCTGGAGGCGAGTTAACAATCACTGACCTGAGCGAGAACAGGAGGACA 361
QY 711 cacgcttcacctttctccagagcagctcaggtccgccttcaggcttgaggtgctgct 770
Db 362 AGCGCTTCGCTTCATCCGCTCAGACAGTGGGCCCCACCACAGTTTGTGAGTCTGCCGCT 421
QY 771 ggccttggtgttctctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 830

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